

What is claimed is:

1. A method of treating the lung with lysozyme that comprises administering this protein intratracheally.
2. A method of claim 1, wherein the intratracheal administration is performed by nebulization.
3. A method of claim 1, wherein the lysozyme is isolated from a natural source, such as eggs.
4. A method of claim 1, wherein the lysozyme is produced by a bioprocess, such as fermentation.
5. A method of treating a respiratory disorder that comprises intratracheally administering to a mammal an effective amount of lysozyme.
6. A method of claim 5, wherein the respiratory disorder is pulmonary emphysema.
7. A method of claim 5, wherein the respiratory disorder is pneumonia due to viruses, bacteria, or fungi, including pneumonias related to HIV-induced immunodeficiency.
8. A method of claim 5, wherein the respiratory disorder is cystic fibrosis.
9. A method of claim 5, wherein the respiratory disorder is interstitial fibrosis.
10. A method of claim 5, wherein the respiratory disorder is respiratory distress syndrome, including hyaline membrane disease.
11. A method of claim 5, wherein the respiratory disorder is bronchopulmonary dysplasia.
12. A method of claim 5, wherein the respiratory disorder is neoplasia.
13. A method of claim 5, wherein the mammal is a human.
14. A method of claim 5, wherein the mammal is a human neonate.
15. A method of claim 5, wherein the lysozyme is administered with a carrier, such as DMSO, an alcohol, or water.
16. A method of claim 5, wherein the effective amount of lysozyme is from about 10 $\mu\text{g/kg/day}$ to about 1 mg/kg/day .

17. A method of intratracheally administering an agent to a mammal that comprises covalent or noncovalent binding of the agent to lysozyme.
18. A method of claim 17, wherein the agent is used to treat a respiratory disorder.
19. A method of claim 17, wherein the agent is used to treat a systemic disorder.

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